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Programmable Semiconductor Device

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Abstract of the Invention

A programmable device includes a substrate (10); an insulator (13) on the substrate; an elongated semiconductor material (12) on the insulator, the elongated semiconductor material having first and second ends, and an upper surface S; the first end (12a) is substantially wider than the second end (12b), and a metallic material is disposed on the upper surface; the metallic material being physically migratable along the upper surface responsive to an electrical current I flowable through the semiconductor material and the metallic material.

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(Fig. 1)

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